

Policy & Procedure (P&P)

Policy Title :

INVESTIGATIONS OF SUSPECTED CASES OF POST-TRANSFUSION INFECTION

Department	Index No.	Scope
Laboratory & Blood Bank	LAB-127	All Blood Bank Staff
Issue Date	Revision NO	Effective Date
1438/07/15	1	1440/08/12
Review Due Date	Related Standard NO.	Page Number#
1442/08/12	CBAHI (LB.70)	6

01. Policy:

- 01.1. The blood bank investigates the suspected cases of post-transfusion infection.

02. Definition :

- 02.1. N/A

03. Purpose :

- 03.1. To investigate the suspected cases of post transfusion infection.
- 03.2. To prevent future transmission by identification of implicated donors who may pose a higher risk of disease transmission.
- 03.3. To prevent the release of other components from the implicated donors.

04. Procedure :

04.1. Investigations of the suspected donors:

- 04.1.1. The blood bank staff identifies the implicated donors by matching the serial numbers of the transfused blood units to the donor register and the donor questionnaire and consent form.
- 04.1.2. The blood bank staff reviews and evaluates all clinical and laboratory data of the involved donors by reviewing the donation records of the involved donors (the serology results and the donor questionnaire form).
- 04.1.3. The blood bank staff places in-date units from these donors in quarantine; if available, and

seeks plasma containing units for testing.

04.1.4. The blood bank staff needs to recall all in-date available components from the implicated donors.

04.1.5. The blood bank staff notifies and investigates the implicated donors:

04.1.5.1. If the suspected infection is HBV or HCV or HIV or HTLV or Syphilis then do Viral serology tests.

04.1.5.2. If the suspected infection is malaria then do malaria thin and thick smears for the donor

04.1.5.3. If the suspected infection is Brucella then do serology for Brucella.

04.1.6. The blood bank staff places the involved donors in a surveillance file and verifies whether the donors were involved in other incidents of transmission of the same disease.

04.1.7. If the unit of blood implicated is from outside Alqunfudah General Hospital, the blood bank staff notifies the collecting facility by informing the Laboratory and Blood bank manager of Alqunfudah General Hospital who informs the Laboratory and Blood bank manager of the collecting facility.

04.2. investigation of donors subsequently found to have transfusion transmissible disease (Look Back):

In case the blood bank staff is sure that the donor ID# is found to have transfusion transmissible disease:

04.2.1. The blood bank staff identifies all blood components prepared from those involved donations.

04.2.2. The blood bank staff places in-date units from these donors in quarantine.

04.2.3. The blood bank staff notifies the physicians and the infection control physician of other recipients of other components from the same donor(s) (Reporting the investigation results internally)

04.2.4. The patient physicians and the infection control physician investigate and follow up the recipients.

04.2.5. -The blood bank staff defers from future donations all donors implicated as the source of a transfusion-transmitted infection who tests are positive for the infectious agent by informing the donor and by writing the donor's name in the deferral donors file.

04.2.6. The blood bank doctor notifies the blood utilization committee (Reporting the investigation results internally)

04.2.7. If the unit of blood implicated is transfused outside Alqunfudah General Hospital, the

blood bank staff notifies the facility where the transfusion was conducted by informing the Laboratory and Blood bank manager of Alqunfudah General Hospital who informs the Laboratory and Blood bank manager of the facility where the transfusion was conducted.

04.2.8. The blood bank doctor reports the event by entering in the MOH system <https://systems.moh.gov.sa/BBS/StatisticForms/IncidentForms/frmRecipientIncident.aspx>

04.2.9. (Reporting the investigation results externally).

04.2.10. At the discretion of the collection facility medical director, donors who are not implicated as the source of a suspected transfusion-transmitted infection, for example, by subsequent negative infectious disease tests, may be removed from the surveillance files and their components may be released from quarantine.

05. Responsibilities :

05.1. All Laboratory and Blood Bank Staff of Al-Qunfudah General Hospital.

06. Equipment & Forms

N/A

07. Attachment :

- Attachment1
- Attachment2

08. Reference

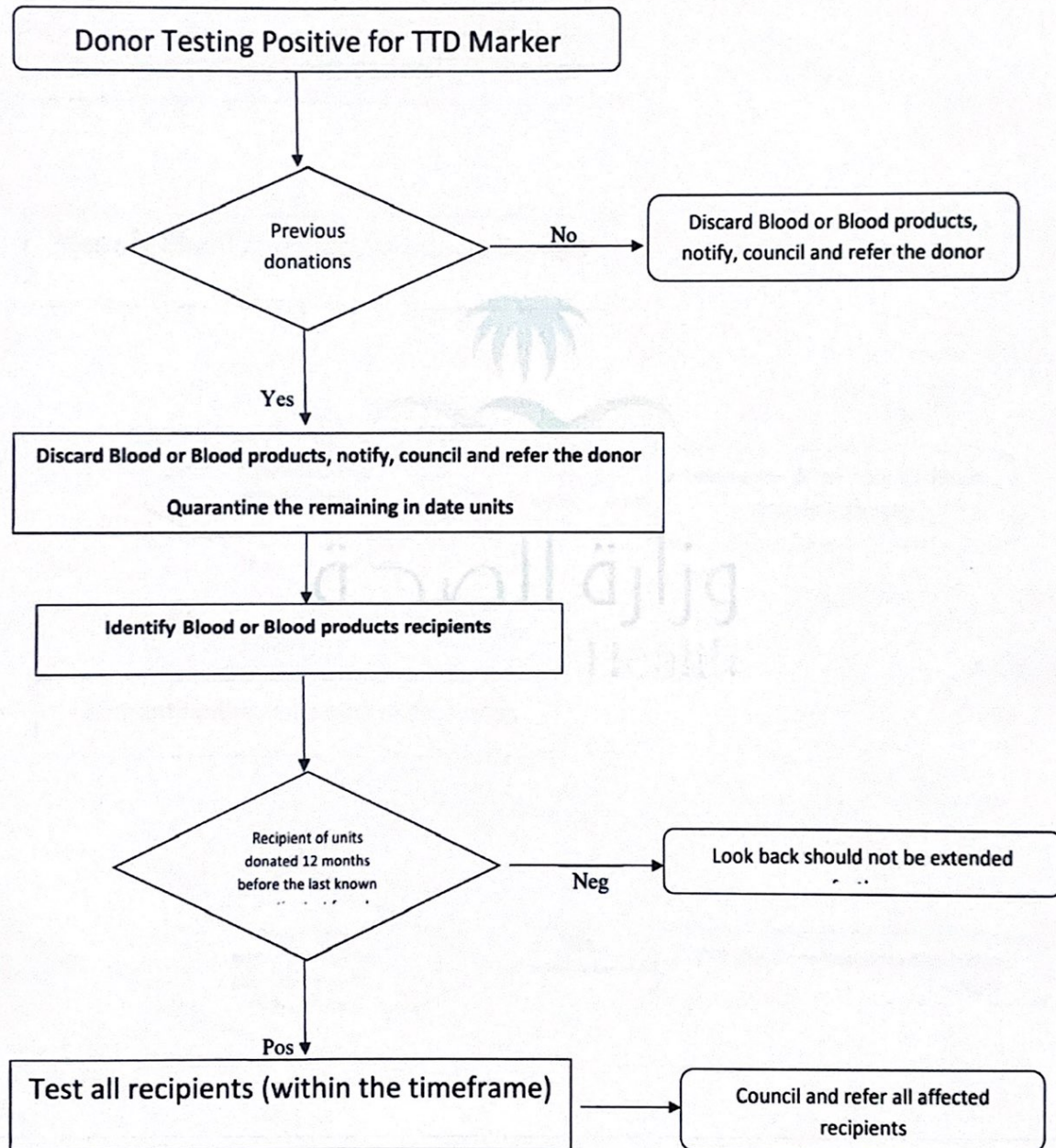
- 08.1. The Technical Manual of the American Association of Blood Banks.
- 08.2. Guidelines for The Evaluation of Transfusion-Associated Infections (New York State Council on Human Blood and Transfusion Services).

Preparation, Reviewing & Approval Box

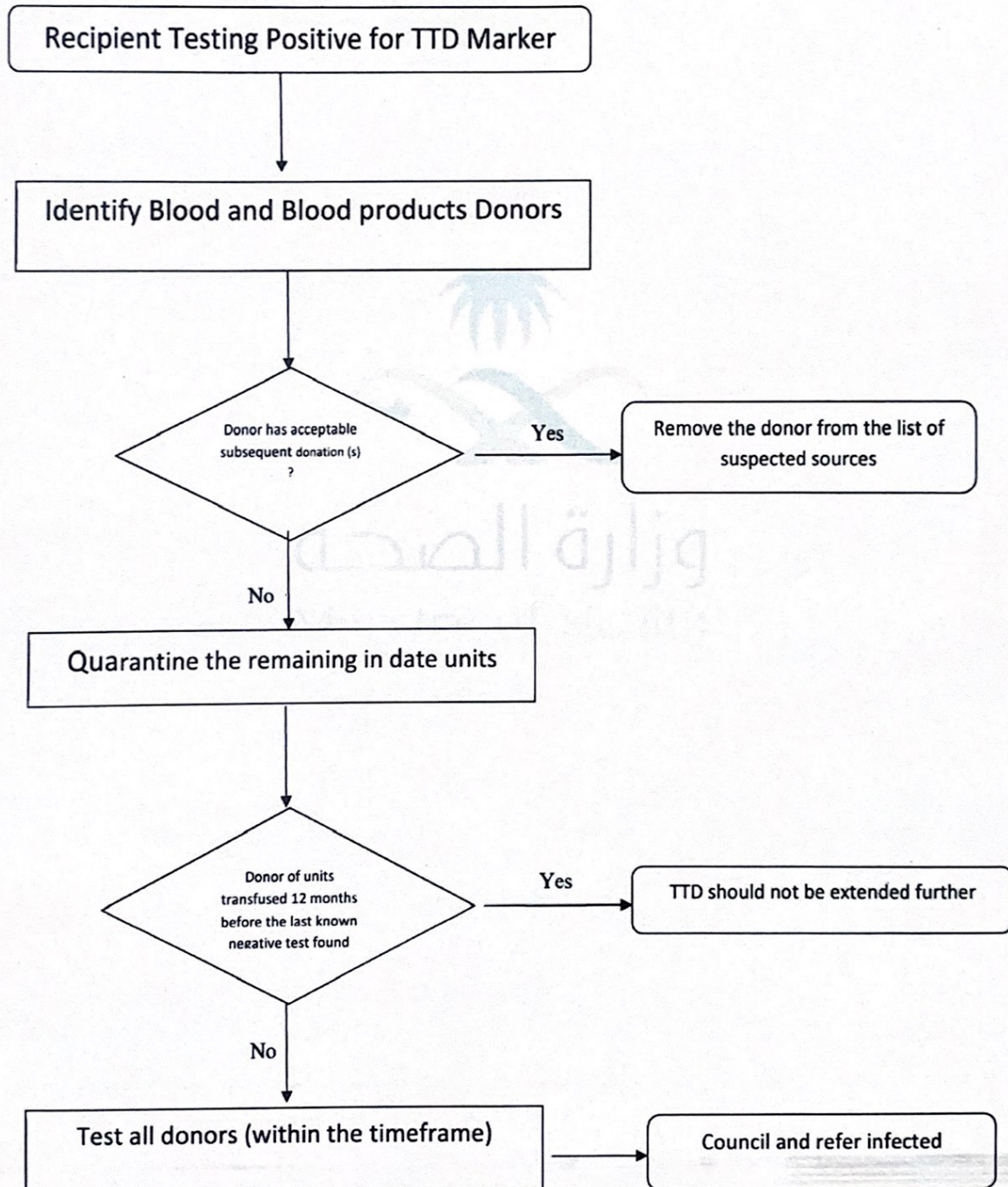
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Attachment2: Look Back



Attachment1: Transfusion Transmitted Disease Investigations

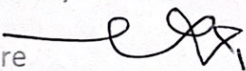


LOOK BACK INVESTIGATIONS

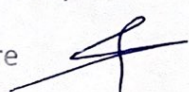
Period of investigation: 01/01/2020 till 20/07/2020

ID/File No	TTD marker	INVESTIGATIONS	REMARKS
75630	HBV	NO HISTORY OF BLOOD TRANSFUSION	
186223	HBV	NO HISTORY OF BLOOD TRANSFUSION	
102446	HBV	NO HISTORY OF BLOOD TRANSFUSION	
104718	HBV	NO HISTORY OF BLOOD TRANSFUSION	
25114	HBV	NO HISTORY OF BLOOD TRANSFUSION	
189929	HBV	NO HISTORY OF BLOOD TRANSFUSION	
173071	HBV	NO HISTORY OF BLOOD TRANSFUSION	
180882	HBV	NO HISTORY OF BLOOD TRANSFUSION	
51480	HCV	Transfused on 16/11/2018 Q18-2696	The same donor donated in 2019 Q19-2242 NON REACTIVE And in 2020 Q20-74 NON REACTIVE

Requested by: Dr Ahmed Amr

Signature 

Performed by : Dr RAJA NACER SASSI

Signature 

Approved by: Dr IBRAHIM AWADH

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